



Define your CATIA skills

AscendBridge: CATIA V5 Nonlinear Structural Analysis

OBJECTIVE: This course covers the main tools for Nonlinear Structural Analysis which extends the existing CATIA V5 Structural analysis capabilities to consider permanent material deformation, large displacements and advanced Contact. Upon completion of this course you will be able to: Define nonlinear material properties, Create multi-step Analysis cases to represent complex formulations. Learn to visualize various formats of results and examine the outputs with post processing tools.

Price per Student	\$1,600.00
Duration: 2 Days	Student Profile: CATIA V5 Mechanical Designers
	Pre-requisites: V5 Fundamentals

TOPIC	DETAILS	TOPIC DURATION
Nonlinear Structural Analysis	<p>Introduction to Nonlinear Finite Element Analysis</p> <ul style="list-style-type: none"> • Types of Nonlinearities • Formulation of Non Linear analysis case • Application of Nonlinear Analysis <p>Working on Nonlinear Analysis Pre-Processing</p> <ul style="list-style-type: none"> • Define different analysis cases and analysis steps • Define Loads, Boundary conditions and fields using ANL Interface • Define model properties and part properties • Mesh the pat and apply mesh properties • Define Contact pairs and connection properties. <p>ANL Computation</p> <ul style="list-style-type: none"> • Manage the analysis files using Job manager • Checking and Monitoring the Job while computation <p>ANL Post-Processing</p> <ul style="list-style-type: none"> • Results Visualization • Results Management 	2 Day



Register on-line or call 1-888-326-8326
 Information contained within is subject to change. All classes are dependent on minimum enrollment
 Prices indicated do not include applicable taxes

